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*Admitted only in Maryland *Admitted only in Virginia •Practice Limited to Federal Agencies

July 13, 2006

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Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Art Unit 1636

Attn: Mail Stop Amendment

Re: U.S. Utility Patent Appl. No. 10/551,054; § 371 Date: September 23, 2005

(U.S. National Phase of Intl. Appl. No. PCT/EP04/003164); I.A. Date: March 25, 2004)

For:

Melan-A-Carrier Conjugates

Inventors:

Martin F. BACHMANN et al.

Our Ref:

1700.0590000/BJD/WBC

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Information Disclosure Statement Filing Under 37 C.F.R. § 1.97(b);
- 2. Form PTO/SB/08B (9 pages) citing eighty-three (83) documents;
- 3. Copies of eighty-three (83) cited documents: NPL1-NPL83;
- 4. Form PTO-1449 (9 pages) citing sixty-seven (67) documents;
- 5. Copies of forty-three (43) cited documents: AL1-AP1; AL2-AP2; AL3-AP3; AL4-AP4; AL5-AP5; AL6-AP6; AL3-AP3; AL4-AP4; AL5-AP5; AL6-AP6; AL7-AP7; AL8-AP8; and AL9-AN9; and
- 6. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents July 13, 2006 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Attorney for Applicants Registration No. 42,473

BJD/WBC:cpn Enclosures

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Martin F. BACHMANN et al.

Appl. No.: 10/551,054

(U.S. National Phase of Intl. Appl. No.

PCT/EP04/003164)

Filed: September 23, 2005

(Int'l Filing Date: March 25, 2004)

For: Melan-A-Carrier Conjugates

Confirmation No.: 1432

Art Unit: 1636

Examiner: To Be Assigned

Atty. Docket: 1700.0590000/BJD/WBC

Information Disclosure Statement Filing Under 37 C.F.R. § 1.97(b)

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Forms PTO-1449 and PTO/SB/08B are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of documents **AL1-AN9** and **NPL1-NPL83** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of U.S. patents and patent application publications, documents **AA1-AB3**, cited on the attached Form PTO-1449 are not submitted.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following discussion of the relevance of the non-English language documents **AO1** and **AO3** cited on Form PTO-1449:

Document AO1, EP 0 201 416 B1, is in the French language. An English language abstract of document AO1 is attached as document NPL83.

Document AO3, WO 98/58751 A1, is in the French language. An English

language abstract of document AO3 is located on the face page of said document.

Where the publication date of a listed document does not provide a month of

publication, the year of publication of the listed document is sufficiently earlier than the

effective U.S. filing date and any foreign priority date so that the month of publication is

not in issue. Applicants have listed publication dates on the attached IDS Forms based

on information presently available to the undersigned. However, the listed publication

dates should not be construed as an admission that the information was actually

published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention

over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the

teachings purportedly offered.

This statement should not be construed as a representation that a search has been

made, or that information more material to the examination of the present patent

application does not exist. The Examiner is specifically requested not to rely solely on

the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing date of a

first Office Action on the merits. No statement or fee is required.

- 3 - Martin F. BACHMANN *et al.*Appl. No.: 10/551,054
(U.S. National Phase of Intl. Appl. No. PCT/EP04/003164)

It is respectfully requested that the Examiner initial and return copies of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Attorney for Applicants Registration No. 42,473

Date: J

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0590000/BJD/WBC APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)

FIRST NAMED INVENTOR Bachmann, M.

PCT FILING DATE March 25, 2004 ART UNIT To Be Assigned

EXAMINER		DOCUMENT	U.S. P	ATENT DOCUMENTS			
INITIAL_		NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,722,840	02/02/1988	Valenzuela et al.			09/19/1985
	AB1	4,959,314	09/25/1990	Mark et al.			02/07/1985
	AC1	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AD1	5,565,548	10/15/1996	Neurath et al.			03/15/1993
	AE1	5,698,424	12/16/1997	Mastico et al.			§ 371 Date: 01/03/1995
	AF1	5,844,075	12/01/1998	Kawakami and Rosenberg			04/05/1995
	AG1	5,874,560	02/23/1999	Kawakami and Rosenberg			04/22/1994
	AH1	5,935,821	08/10/1999	Chatterjee et al.			11/21/1996
	Al1	5,939.598	08/17/1999	Kucherlapati et al.			07/30/1992
	AJ1	5,994,523	11/30/1999	Kawakami and Rosenberg			01/16/1998
	AK1	6,025,470	02/15/2000	Valmori et al.			06/23/1997
			FOREIGN	PATENT DOCUMENTS			
EXAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	EP 0 038 154 B1	10/21/1981	Europe			Ye N
	AM1	EP 0 385 610 B1	03/16/1994	Europe			Ye N
	AN1	EP 0 421 635 A1	04/10/1991	Europe			Ye N
	× AO1	EP 0 201 416 B1	04/10/1991	Europe			Ye N
	AP1	WO 92/13081 A1	08/06/1992	WIPO			Ye N
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ATTY. DOCKET NO. 1700.0590000/BJD/WBC APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)

FIRST NAMED INVENTOR Bachmann, M.

PCT FILING DATE March 25, 2004

ART UNIT To Be Assigned

			U.S. F	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	6,231,864 B1	05/15/2001	Birkett			02/11/1999
	AB2	6,270,778 B1	08/07/2001	Kawakami and Rosenberg			03/12/1999
	AC2	6,277,956 B1	08/21/2001	Valmori et al.			04/16/1998
	AD2	6,326,200 B1	12/04/2001	Valmori et al.			06/18/1998
	AE2	6,368,857 B1	04/09/2002	Valmori et al.			10/05/1999
	AF2	6,380,364 B1	04/30/2002	Mueller et al.			10/06/1999
	AG2	6,384,190 B1	05/07/2002	Valmori et al.			12/14/1999
	AH2	6,627,202 B2	09/30/2003	Murray			06/04/2001
	AI2	2003/0050268 A1	03/13/2003	Krieg and Berg			03/29/2002
	AJ2	6,537,560 B1	03/25/2003	Kawakami and Rosenberg			05/05/1998
	AK2	2003/0082804 A1	05/01/2003	Valmori et al.			02/21/2001
			FOREIGI	N PATENT DOCUMENTS	•	<u> </u>	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2	EP 0 578 293 A1	01/12/1994	Europe			Yes No
	AM2	WO 94/14969 A1	07/07/1994	WIPO			Yes No
	AN2	WO 95/29193 A2	11/02/1995	WIPO			Yes No
	AO2	WO 96/30523 A2	10/03/1996	WIPO			Yes No
	AP2	WO 98/40100 A1	09/17/1998	WIPO			Yes
		OTHER (Including Aut	thor, Title, Date, Pertinent	Pages, etc.)	
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APPLICATION NO.
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0590000/BJD/WBC 10/551,054 (Intl. Appl. No FIRST NAMED INVENTOR Bachmann, M. PCT FILING DATE **ART UNIT** March 25, 2004 To Be Assigned

		·		U.S. P	ATENT DOCUMENTS	-		
EXAMINER INITIAL		DOCU	MENT ER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	6,719,9	78 B2	04/13/2004	Schiller et al.			04/13/2001
	AB3	6,965,0)17 B2	11/15/2005	Kawakami and Rosenberg			07/03/2001
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EXAMINER INITIAL		DOCU NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3	WO 98	3/49195 A1	11/05/1998	WIPO			Yes No
	AM3	WO 98	3/50071 A1	11/12/1998	WIPO			Yes No
	AN3	WO 98	3/58951 A1	12/30/1998	WIPO			Yes No
	AO3	WO 98	3/58751 A1	12/30/1998	WIPO			Yes No
	AP3	WO 99	9/28478 A1	06/10/1999	WIPO			Yes No
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and not considered. Include copy of this form with next communication to Applicant.

		Page 4 of 9
FORM PTO-1449	ATTY. DOCKET NO. 1700.0590000/BJD/WBC	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
INFORMATION DISCLOSURE STATEMENT	FIRST NAMED INVENTOR Bachmann, M.	
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	AL4	WO 99	9/40934 A1	08/19/1999	WIPO			Yes No
	AM4	WO 99	9/57289 A2	11/11/1999	WIPO			Yes No
	AN4	WO 00	0/23955 A1	04/27/2000	WIPO			Yes No
	AO4	WO 00	0/32227 A2	06/08/2000	WIPO			Yes No
	AP4	WO 00	D/37610 A2	06/29/2000	WIPO			Yes No
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_	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0590000/BJD/WBC FIRST NAMED INVENTOR Bachmann, M. PCT FILING DATE **ART UNIT** March 25, 2004 To Be Assigned

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	AL5	WO 0	0/39304 A2	07/06/2000	WIPO				Yes No
	AM5	WO 0	0/50461 A1	08/31/2000	WIPO				Yes No
	AN5	WO 0	0/62800 A2	10/26/2000	WIPO				Yes No
	AO5	WO 0	1/16320 A1	03/08/2001	WIPO				Yes No
	AP5	WO 0	1/22972 A2	04/05/2001	WIPO				Yes No
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FORM PTO-1449	ATTY. DOCKET NO. 1700.0590000/BJD/WBC	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
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	AL6	wo o	1/22990 A2	04/05/2001	WIPO			Yes No
	AM6	wo o	1/56603 A1	08/09/2001	WIPO			Yes No
	AN6	woo	1/58478 A1	08/16/2001	WIPO			Yes No
	AO6	WO 0	1/77158 A1	10/18/2001	WIPO 1			Yes No
,	AP6	wo o	1/85208 A2	11/15/2001	WIPO			Yes No
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 ATTY. DOCKET NO. 1700.0590000/BJD/WBC	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT

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	AL7	WO 0	1/98333 A2	12/27/2001	WIPO			Yes No
	AM7	WO 02	2/14478 A2	02/21/2002	WIPO			Yes No
	AN7	WO 0	2/053141 A2	07/11/2002	WIPO			Yes No
	A07	WO 02	2/056905 A2	07/25/2002	WIPO			Yes No
	AP7	WO 02	2/056907 A2	07/25/2002	WIPO			Yes No
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

March 25, 2004

	Page 8 of 9
ATTY. DOCKET NO. 1700.0590000/BJD/WBC	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
FIRST NAMED INVENTOR	3
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT

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EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
-	AL8		3/024480 A2	03/27/2003	WIPO			Yes No
	AM8	WO 03	3/024481 A2	03/27/2003	WIPO			Yes No
, , ,	AN8	WO 03	3/031466 A2	04/17/2003	WIPO			Yes No
	AO8	WO 03	3/039225 A2	05/15/2003	WIPO			Yes No
	AP8	WO 03	3/040164 A2	05/15/2003	WIPO			Yes No
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March 25, 2004

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·	FORM PTO-1449	ATTY. DOCKET NO. 1700.0590000/BJD/WBC	APPLICATION NO. 10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
	INFORMATION DISCLOSURE STATEMENT	FIRST NAMED INVENTOR Bachmann, M.	
		PCT FILING DATE March 25, 2004	ART UNIT To Be Assigned

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INITIAL		NUMI		DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION
	AL9	WO 0:	3/059386 A2	07/24/2003	WIPO				Yes No
	АМ9	WO 04	4/000351 A1	12/31/2003	WIPO				Yes No
	AN9	WO 04	4/007538 A2	01/22/2004	WIPO				Yes No
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Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act 2925.

Substitute for form 1449/PTO	plete if Known	
INTODMATION DISCUSSION	Application Number	10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)
INFORMATION DISCLOSURE	PCT Filing Date	March 25, 2004
STATEMENT BY APPLICANT	First Named Inventor	Martin F. BACHMANN
(Use as many sheets as necessary)	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
Sheet 1 of 9	Attorney Docket Number	1700.0590000/BJD/WBC

JUL 1 3 2006

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL1	Adams, S.E., et al., "The expression of hybrid HIV:Ty virus-like particles in yeast," <i>Nature</i> 329:68-70, Nature Publishing Group (1987)	
	NPL2	Addo, M.M., et al., "Comprehensive Epitope Analysis of Human Immunodeficiency Virus Type 1 (HIV-1)-Specific T-Cell Responses Directed against the Entire Expressed HIV-1 Genome Demonstrate Broadly Directed Responses, but No Correlation to Viral Load," J. Virol. 77:2081-2092, American Society for Microbiology (February 2003)	
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			Application Number	10/551,054 (National Phase of Intl. Appl. No. PCT/EP04/003164)			
				PCT Filing Date	March 25, 2004		
STATE	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	Martin F. BACHMANN		
				Art Unit	To Be Assigned		
		Examiner Name	To Be Assigned				
Sheet	2	of	9	Attorney Docket Number	1700.0590000/BJD/WBC		

-		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL11	Dudley, M.E., et al., "Cancer Regression and Autoimmunity in Patients After Clonal Repopulation with Antitumor Lymphocytes," Science 298:850-854, American Association for the Advancement of Science (October 2002)	
	NPL12	Engleman, E.G., "Dendritic cells: Potential role in cancer therapy," <i>Cytotechnol. 25</i> :1-8, Kluwer Academic Publishers (1997)	
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	NPL21	Golmohammadi, R., <i>et al.</i> , "The crystal structure of bacteriophage Qβ at 3.5 Å resolution," <i>Structure 4</i> :543-554, Current Biology Ltd. (1996)	
	NPL22	Graff-Dubois, S., et. al., "Generation of CTL Recognizing an HLA-A*0201-Restricted Epitope Shared by MAGE-A1, -A2, -A3, -A4, -A6, -A10, and -A12 Tumor Antigens: Implication in a Broad-Spectrum Tumor Immunotherapy," <i>J. Immunol.</i> 169:575-580, The American Association of Immunologists, Inc. (July 2002)	
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			CLOSURE	PCT Filing Date	March 25, 2004		
STATE			PLICANT	First Named Inventor	Martin F. BACHMANN		
	(Use as many sheets as necessary)			Art Unit	To Be Assigned		
				Examiner Name	To Be Assigned		
Sheet	4	of	9	Attorney Docket Number	1700.0590000/BJD/WBC		

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	NPL38	Levy, H.B., "Induction of Interferon <i>in Vivo</i> and <i>in Vitro</i> by Polynucleotides and Derivatives, and Preparation of Derivatives," <i>Methods Enzymol</i> . 78:242-51, Academic Press, Inc. (1981)	_
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-	NPL40	Linette, G.P., et. al., "In Vitro Priming with Adenovirus/gp100 Antigen-Transduced Dendritic Cells Reveals the Epitope Specificity of HLA-A*0201-Restricted CD8* T cells in Patients with Melanoma," J. Immunol. 164:3402-3412, The American Association of Immunologists (2000)	

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	NPL41	Luo, L., et al., "Induction of V3-Specific Cytotoxic T Lymphocyte Responses by HIV gag Particles Carrying Multiple Immunodominant V3 Epitopes of gp120," Virol. 240:316-325, Academic Press (1998)	
	NPL42	Malling, HJ., and Taudorf, E., "Allergenicity of alum-precipitated grass pollen extracts with different RAST activity," <i>Clin. Allergy</i> 17:399-404, Blackwell Scientific Publications (1987)	
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	NPL44	Moss, R.B., et al., "In vitro immune function after vaccination with an inactivated, gp120-depleted HIV-1 antigen with immunostimulatory oligodeoxynucleotides," <i>Vaccine 18</i> :1081-7, Elsevier Science Ltd. (2000)	
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	NPL51	Panelli, M.C., et. al., "Expansion of Tumor-T Cell Pairs from Fine Needle Aspirates of Melanoma Metastases," J. Immunol. 164:495-504, The American Association of Immunologists (2000)	
	NPL52	Parkhurst, M.R., et. al., "Identification of a Shared HLA-A*0201-restricted T-Cell Epitope from the Melanoma Antigen Tyrosinase-related Protein 2 (TRP2)," Cancer Res. 58:4895-4901, American Association for Cancer Research (1998)	
	NPL53	Pasek, M., et al., "Hepatitis B virus genes and their expression in E. coli," Nature 282:575-579, Macmillan Journals Ltd. (1979)	
	NPL54	Pass, H.A., et. al., "Immunization of Patients with Melanoma Peptide Vaccines: Immunologic Assessment Using the ELISPOT Assay," Cancer J. Sci. Am. 4:316-323, Scientific American, Inc. (1998)	
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T
	NPL71	Taylor, K.M., et al., "Position-Dependent Processing of Peptides Presented on the Surface of Cowpea Mosaic Virus," <i>Biol. Chem.</i> 380:387-392, Walter de Gruyter (1999)	
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		nclude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of he item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published				
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